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Approved for use through 07/31/2006. OMB 0651-0032
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## UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Attorney Docket No.	5000-1-493
First Inventor	Jong-Kwon Kim et al.
Title	BI-DIRECTIONAL OPTICAL
Everess Mail Lahel No	EV 413311149 US

	<del></del>	Express Mail Laber 140.		
	PPLICATION ELEMENTS er 600 concerning utility patent application contents.	ADDRESS TO: Commiss P.O. Box	Patent Application cloner for Patents 1450 la VA 22313-1450	
2. Applicant c See 37 CF1 3. Specification (preferred and pescriptive - Cross Reference or a compular - Brief Summing - Brief Summing - Brief Summing - Brief Description - Claim(s) - Abstract of  4. Drawing(s)  5. Oath or Declaration	In a control of the Invention of the Inv	ii. Paper c. Statements verifyin ACCOMPANYING A	endix) Sequence Submission Form (CRF) Sence Listing on: CD-R (2 copies); or  Ig identity of above copies PPLICATION PARTS  EVER Sheet & document(s)) ent Power of Attorney	
b. Copy fro (for continuo)  i. DEL Signe name 1.63(	om a prior application (37 CFR 1.63(d))  tinuation/divisional with Box 18 completed)  ETION OF INVENTOR(S)  ad statement attached deleting inventor(s)  in the prior application, see 37 CFR d)(2) and 1.33(b).  on Data Sheet. See 37 CFR 1.76	Statement (IDS)/PTO-1  13. Preliminary Amendmen  14. Return Receipt Postcar  (Should be specifically  Certified Copy of Priorit  (if foreign priority is clai  Nonpublication Reques  (b)(2)(B)(i). Applicant mor its equivalent.	449 Citations  t d (MPEP 503) itemized) y Document(s) med)	
	NG APPLICATION, check appropriate box, and sup ing the title, or in an Application Data Sheet under 3		nd in the first sentence of the	
Continuation  Divisional  Continuation-in-part (CIP)  of prior application No.:  Prior application information:  Examiner  For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.  The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.				
	19. CORRESPON	DENCE ADDRESS		
Customer N	lumber: 33942	OR Corre	espondence address below	
Name				
Address				
City		State	Zip Code	
Country	70	elephone	Fax	
Name (Print/Type)   Steve S. Cha   Registration No. (Attomey/Agent)   44,069				
Signature	- Colo		Date // 8 /04	

This collection of information is required by 37 CFR 1.53(b) Be information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Name (Print/Type)

Signature

Steve Cha

PTO/SB/17 (10-03) Approved for use through 07/31/2006. OMB 0651-0032

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Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

(\$) 810.00 TOTAL AMOUNT OF PAYMENT

Complete if Known			
Application Number	Unassigned		
Filing Date	January 8, 2004		
First Named Inventor	Jong-Kwon Kim et al.		
Examiner Name	Unassigned		
Art Unit	Unassigned		
Attorney Docket No.	5000-1-493		

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)				
Check Credit card Money Other None	3. ADDITIONAL FEES				
Deposit Account:	Large Entity   Small Entity				
Denosit	Fee Fee Fee Fee Description Code (\$) Code (\$)				
Account 502-470	Code (\$) Code (\$)  1051 130 2051 65 Surcharge - late filing fee or oath	ee Paid			
Number Deposit Ch - 8 Daite	1052 50 2052 25 Surcharge - late provisional filing fee or				
Account Name Cha & Reiter	cover sheet				
The Director is authorized to: (check all that apply)	1053 130 1053 130 Non-English specification				
Charge fee(s) indicated below Credit any overpayments	1812 2,520 1812 2,520 For filing a request for ex parte reexamination				
Charge any additional fee(s) or any underpayment of fee(s)	1804 920* 1804 920* Requesting publication of SIR prior to Examiner action				
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action				
FEE CALCULATION	1251 110 2251 55 Extension for reply within first month				
1. BASIC FILING FEE	1252 420 2252 210 Extension for reply within second month				
Large Entity Small Entity	1253 950 2253 475 Extension for reply within third month				
Fee Fee Fee Fee Paid Fee Paid Code (\$) Code (\$)	1254 1,480 2254 740 Extension for reply within fourth month				
1001 770 2001 205 Utility filing for	1255 2,010 2255 1,005 Extension for reply within fifth month				
1002 340 2002 170 Design filing fee	1401 330 2401 165 Notice of Appeal				
1003 530 2003 265 Plant filing fee	1402 330 2402 165 Filing a brief in support of an appeal				
1004 770 2004 385 Reissue filing fee	1403 290 2403 145 Request for oral hearing				
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding				
SUBTOTAL (1) (\$) 770	1452 110 2452 55 Petition to revive - unavoidable				
	1453 1,330 2453 665 Petition to revive - unintentional				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501 1,330   2501   665 Otility Issue fee (or reissue)				
Extra Claims below Fee Paid	1 1502 480 2502 240 Design issue fee				
Independent	1503 640 2503 320 Plant issue fee				
Claims Multiple Dependent	1460 130 1460 130 Petitions to the Commissioner				
	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)				
Large Entity   Small Entity Fee Fee   Fee Fee Fee Description	1806 180 1806 180 Submission of Information Disclosure Stmt				
Code (\$) Code (\$) 1202 18 2202 9 Claims in excess of 20	8021 40 8021 40 Recording each patent assignment per property (times number of properties)	40.00			
1201 86 2201 43 Independent claims in excess of 3	1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a))				
1203 290 2203 145 Multiple dependent claim, if not paid	1810 770 2810 385 For each additional invention to be				
1204 86 2204 43 ** Reissue independent claims over original patent	examined (37 CFR 1.129(b))  1801 770 2801 385 Request for Continued Examination (RCE)				
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900 1802 900 Request for expedited examination of a design application				
_ <del></del>	Other fee (specify)				
SUBTOTAL (2) (\$) 0 Other fee (specify)					
SUBMITTED BY					

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Registration No.

(Attorney/Agent)

44,069